**IT Applications Unit 3, AOS 1, Online Communities**

Complete the following, from Chapter 2, Problem-solving Methodology, pgs, 60-80

**Designing a website solution, p 66**

**Problem-solving Methodology: 4 Stages**

**Analyse**

**Design**

**Development**

**Evaluate**

**Case Study:**

**Indigenous Language Trust, (ILT)**

Using the case study, ILT complete the following:

**Designing a website solution, p 66**

1. List the techniques that web developers can use to ensure their website is efficient?

Templates and cascading style sheets, common formats on every page, thumbnails

1. List the techniques that web developers can use to ensure their website is effective?

Check appearance in different web browsers for appearance changes, colour visited link to change when someone and click it, consistent layout throughout website, clearly displayed information.

**Identifying how a solution will function**

1. Taking into account the technical constraints a range of design tools can be used to show the functionality of the website. Elaborate on each of the following functional design tools:
2. IPO Charts
3. Flowcharts
4. Layout diagrams

Show placing of text, headers, footers, sidebars, images and standard items that are default on each page, along with the text fonts sizes and other attributes.

1. Website map

Shows what websites and there pages are connected or linked to the main site, also including a brief note on what their content should be and there webserver reference name.

* 1. What does information architecture refer to?

The structure of the website and its navigation pathways and a website map.

**Navigation Design**

1. What considerations need to be taken into planning the navigation design?

Accessibility of the website, labels of icons meaningful , use of common icons, navigation appears on every page.

1. What’s meant by making your website accessible?

Taking disability’s, cultural differences, technical constrains into concern

1. What is a style guide?
2. List the conventions of file naming.

Index page, index.html

Filenames are meaningful

Limited to 16 characters.

**Identifying how a solution will appear using design tools, p 70**

**Elaborate on the following:**

1. Mock-up diagram

Sketch of the actual website

1. Layout diagrams

Visual representation of how the final pages should look

1. Storyboard designs

Design features of each individual page

**Formats and conventions,** p 73

Elaborate on the following formats and conventions

* Screen size

Using 1280-800

* Index or home page

Index.html

* Scrolling

No more than 2 pages of text

* Text

Same fonts across the website

* Navigation

On every page with links to all pages

* Font selection

Keeping it common throughout the site and making it an easily accessible one.

* Images and file size

Small and in thumbnails

* Style guides

1. With the ILT case study what formats and conventions have been chosen?